## CLAIMS

- 1. A process for manufacturing an electret article, comprising passing melt-extruded thermoplastic resin fibers through a mist space substantially formed from droplets of a polar liquid, and then collecting the fibers, wherein said thermoplastic resin fibers contain electrical-chargeability enhancing agents, and the average diameter of said droplets is less than 20  $\mu m.$
- 2. The process according to claim 1, wherein the thermoplastic resin fibers are not subjected to a drying step after passing through said mist space.
- 3. The process according to claim 1 or 2, wherein a resindroplet percentage of the formula:

 $(Wp/Wf) \times 100$ 

wherein Wp denotes the amount of said droplets forming said mist space and sprayed to a unit volume thereof within a certain period of time, and Wf denotes the amount of said melt-extruded thermoplastic resin passed through said mist space within a certain period of time is 500 or more.

- 4. The process according to any one of claims 1 to 3, wherein a heated gas is blown onto said melt-extruded thermoplastic resin fibers.
- 5. The process according to any one of claims 1 to 4, wherein a volume specific resistivity of said thermoplastic resin is  $10^{14} \, \Omega \cdot \text{cm}$  or higher.
- 6. The process according to claim 5, wherein a volume specific resistivity of said thermoplastic resin is  $10^{16}\;\Omega\cdot\text{cm}$  or higher.
- 7. The process according to any one of claims 1 to 6, wherein said polar liquid is water.
- 8. The process according to any one of claims 1 to 7, wherein said electrical-chargeability enhancing agent is at

least one compound selected from a group consisting of a hindered amine compound, a metallic salt of a fatty acid, a metallic oxide, and an unsaturated carboxylic acid-modified high-molecular compound.

- 9. The process according to any one of claims 1 to 8, wherein the average diameter of said droplets is 15  $\mu m$  or less.
- 10. An apparatus for manufacturing an electric article, comprising (1) a means for melt-extruding a thermoplastic resin containing electrical-chargeability enhancing agents to form thermoplastic resin fibers; (2) a means for spraying droplets consisting essentially of a polar liquid to a space downstream of a direction of said thermoplastic resin extruded from said means for melt-extruding a thermoplastic resin, to thereby form a mist space, the average diameter of said droplets being less than 20  $\mu m;$  and (3) a means for collecting said thermoplastic resin fibers which have been passed through said mist space.